



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/760,219

01/21/2004

Kia Silverbrook

SMA04US

1368

24011 7590 10/15/2008
SILVERBROOK RESEARCH PTY LTD
393 DARLING STREET
BALMAIN, 2041
AUSTRALIA

EXAMINER

UHLENHAKE, JASON S

ART UNIT

PAPER NUMBER

2853

MAIL DATE

DELIVERY MODE

10/15/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

Election/Restrictions

Claims 2-16, 18 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 3/5/2008.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 20 recites the limitation "the carrier" in line 3 and line 4 of claim 20. There is insufficient antecedent basis for this limitation in the claim. It is not clear to the Examiner what the carrier is referring too (frame, support etc...). Appropriate correction is required.

Claim Objections

Claim 1 is objected to because of the following informalities: In claim 1, the expression "having a digital processor and a printer arranged to receive drive signals from the digital processor" is unclear to the Examiner what is being claimed. The abstract and specification would suggest that the applicant is claiming a cartridge as their invention; however as claim 1 is currently written, it appears that the applicant is trying to claim a digital processor and a printer as being a part of the cartridge, and/or it appears that the applicant is trying to set forth a digital processor and printer as

Art Unit: 2853

limitations of the cartridge. The Examiner would suggest clarifying the claim language as "A cartridge for a digital photofinishing system, the digital photofinishing system having a digital processor..." (emphasis added). Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 19, 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Silverbrook (U.S. Pub. 2002/0093569) in view of Enix (U.S. Pat. 4,904,100).

Silverbrook discloses:

- ***regarding claim 1***, a cartridge (504) for a digital photofinishing system (Abstract; Paragraphs 0005-0008) having a digital processor and a printer arranged to receive drive signals from the digital processor (Paragraphs 005, 0061-0065); the cartridge (504) being arranged to be mounted removably in juxtaposition to the printer (Figures 12-13) and comprising a replaceable roll of print media and a replaceable source of printing fluid (548), both of which are arranged to be delivered on demand to the printer (Abstract)
- print media feed means arranged to couple with drive means of the digital photofinishing system (Paragraphs 0040-0041)

- **regarding claim 21**, wherein the print media feed means include a drive roller and a pinch roller (534, 536), wherein the drive means comprises a drive motor (Paragraphs 0040-0042)

Silverbrook does not disclose expressly the following:

- **regarding claim 1**, an opening arranged to enable a roller of the digital photofinishing system to contact the roll of print media; wherein the print media is fed through the printer by operation of the roller on the roll of print media and the coupled drive and print media feed means

- **regarding claim 19**, wherein a door is provided in a wall portion of the cartridge and wherein the door is arranged to be opened to enable the roller to engage the roll of print media

Enix discloses:

- **regarding claim 1**, an opening arranged to enable a roller (27) of the digital photofinishing system to contact the roll of print media (Figures 1-2; Column 3, Lines 39-52); wherein the print media is fed through the printer by operation of the roller on the roll of print media and the coupled drive and print media feed means (Figures 5-6; Column 2, Line 66 – Column 3, Line 21)

- **regarding claim 19**, wherein a door is provided in a wall portion of the cartridge and wherein the door is arranged to be opened to enable the roller to engage the roll of print media (Figures 1-2; Column 3, Lines 39-52)

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to include an opening and a roller to move/engage the media of

Art Unit: 2853

the cartridge, as taught by Enix, into the device of Silverbrook, for the purpose of providing access to the internal media of a cartridge and guiding media input.

Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Silverbrook (U.S. Pub. 2002/0093569) as modified by Enix (U.S. Pat. 4,904,100) as applied to claim 1 above, and further in view of Driggers (U.S. Pub. 2003/0076397)

Silverbrook as modified by Enix discloses:

- ***regarding claim 20***, a roller (27) arranged to engage the roll of print media when the door in the cartridge is open, and a second drive motor (12) arranged to impart rotary drive to the roller (Figures 5-6; Column 2, Line 66 – Column 3, Line 21; Figures 1-2; Column 3, Lines 39-52)

Silverbrook as modified by Enix does not disclose expressly the following:

- ***regarding claim 20***, a paper feed drive mechanism which comprises a pivotal carrier, a first drive motor arranged to impart pivotal drive to the carrier

Driggers discloses:

- ***regarding claim 20***, a paper feed drive mechanism which comprises a pivotal carrier, a first drive motor arranged to impart pivotal drive to the carrier (Paragraphs 0029, 0035)

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to incorporate a pivotal carrier controlled by an electrical motor in order to convey media as taught by Driggers into the device of Silverbrook as modified

Art Unit: 2853

by Enix, for the purpose of selectively engaging the members of the print media
(Paragraph 0029)

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JASON S. UHLENHAKKE whose telephone number is (571)272-5916. The examiner can normally be reached on Monday-Friday 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2853

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JASON S UHLENHAKE/
Examiner, Art Unit 2853
September 30, 2008

/Julian D. Huffman/
Primary Examiner, Art Unit 2853